



**Maricopa County**  
Environmental Services

**Air Quality Division**

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## NOTIFICATION OF MINOR MODIFICATION AT A CURRENTLY PERMITTED FACILITY

Per Rule 220, Section 405 and Section 406, this notification must be submitted for a currently permitted facility for a minor permit revision. This notification is not required for changes in work schedules or relocation of equipment for similar use within a permitted facility.

Submit this notification prior to making the modifications. If confidentiality is claimed pursuant to ARS §49-487, a fully completed application with confidential information clearly identified along with a separate copy of the application for public review without the confidential information and a written justification for the confidentiality claimed must be submitted. Complete both sides by typing or printing legibly. An application fee of \$150.00 must accompany this notification. If the notification is submitted as a result of receiving a Notice of Violation (NOV), an additional \$70.00 late fee must be included. Per Rule 280, Section 302, facilities listed in Table A or Table B of Rule 280, Section 403, will be billed later for additional fees, based on the cost to date of reviewing and acting on the permit revision application, minus fees previously submitted with this application.

BUSINESS NAME:		EXISTING <u>AIR QUALITY</u> <u>PERMIT NUMBER</u> FOR THIS SITE:	
ADDRESS OF SITE:		TELEPHONE AT SITE:	
CITY: <b>AZ</b>		ZIP CODE:	
CONTACT PERSON:		TELEPHONE:	
MAILING ADDRESS:		FAX:	
CITY:	STATE:	ZIP CODE:	E-MAIL:

BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THIS DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE

DATE \_\_\_\_\_ SIGNATURE OF OWNER OR  
RESPONSIBLE OFFICIAL OF BUSINESS \_\_\_\_\_  
TYPE OR PRINT NAME AND TITLE \_\_\_\_\_

**DO NOT WRITE IN THIS SPACE.**

REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

☐ APPROVED

☐ DISAPPROVED

REASON FOR DISAPPROVAL:

1. NARRATIVE DESCRIPTION OF THE PROPOSED MODIFICATION: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. PROVIDE A LIST OF EQUIPMENT AND EMISSION CONTROL DEVICES WHICH WILL BE INSTALLED OR MODIFIED:

ASSIGNED EQUIPMENT NUMBER	DESCRIBE EACH PIECE OF EQUIPMENT INCLUDE MAKE & MODEL	DATE OF INSTALLATION OR MODIFICATION	HOW MANY	HP, KVA GALLONS OR OTHER RATING (Specify Units)	EXHAUST	
					VENT TO AIR	VENT TO CONTROL (Identify)

3. MATERIALS LIST: List all materials handled, stored, processed, used, mixed, treated, or emitted. Include chemicals, mixtures, resins, cleaning compounds, etc., in this list. Identify each material in sufficient detail and provide material safety data sheets (MSDS).

MATERIAL	ANNUAL USAGE OR THROUGHPUT	CHEMICAL COMPOSITION (% by weight)	EQUIPMENT NUMBER IN WHICH USED

4. DESCRIBE CONTROL DEVICES

TYPE OF DEVICE	NAME / ID	GAS FLOW RATE SCFM	LIQUID FLOW RATE GAL/MIN	CONTROL EFFICIENCY (% WEIGHT)

5. MATERIALS RECLAIMED OR SHIPPED AS WASTE: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

IF APPLICABLE, COMPLETE THE ATTACHED SECTION Z-1.

## SECTION Z-M.

## AIR POLLUTANT EMISSIONS

PROVIDE A SUMMARY OF THE ACTUAL AIR EMISSIONS ON AN ANNUAL BASIS FOR THE FOLLOWING THREE COLUMNS:

- (i) ONLY THE EQUIPMENT AND PROCESSES DESCRIBED ON THIS NOTIFICATION.
- (ii) THE ENTIRE SITE PRIOR TO THE INSTALLATION OF THE EQUIPMENT AND PROCESSES DESCRIBED IN (i) ABOVE.
- (iii) THE ENTIRE SITE INCLUDING THE EMISSIONS IDENTIFIED IN (i) ABOVE. NORMALLY, THIS COLUMN WILL BE THE SUM OF COLUMNS (i) AND (ii).

	ACTUAL EMISSIONS OR PROJECTED ACTUAL EMISSIONS IN POUNDS PER YEAR		
	COLUMN (i)	COLUMN (ii)	COLUMN (iii)
CARBON MONOXIDE (CO)			
OXIDES OF NITROGEN (NO <sub>x</sub> )			
OXIDES OF SULFUR (SO <sub>x</sub> )			
PARTICULATES OF 10 MICRONS OR SMALLER (PM <sub>10</sub> )			
TOTAL SUSPENDED PARTICULATES (TSP), INCLUDING PM <sub>10</sub>			
TOTAL VOLATILE ORGANIC COMPOUNDS (VOC) EXCLUDING NON-PRECURSOR ORGANIC COMPOUNDS			
NON-PRECURSOR ORGANIC COMPOUNDS			
LEAD			
OTHER AIR POLLUTANTS (LIST EACH ONE SEPARATELY):			

Attach detailed calculations to support the figures in the above summary table. Do not include the emissions from motor vehicles. Do include the emissions from stationary sources, portable sources, test areas, experimental facilities, evaporative losses, storage and handling losses, fuel loading and unloading losses, etc. Specifically identify the following in detailed calculations:

EMISSIONS FROM EACH POINT SOURCE AND EACH STACK  
 FUGITIVE EMISSIONS  
 CAPTURE EFFICIENCIES  
 CONTROL EFFICIENCIES  
 OVERALL EFFICIENCIES

For particulate emissions, describe the types of particulates being emitted and the quantities of emissions for each type. Identify and quantify each and every type of VOC, precursor as well as non-precursor, that is included in the above summary table. "Other air pollutants" include, but are not limited to: bromine, iodine, ammonia, hydrogen sulfide, arsine, diborane, silane, acid fumes, alkaline fumes, metal fumes and any Federal Hazardous Air Pollutant that is emitted in excess of 500 pounds per year. Wherever a material is identified by a trade name, also provide its generic name and its chemical abstract service (CAS) number.

# **FEDERAL HAZARDOUS AIR POLLUTANTS LIST**

CAS No.	Chemical name					CAS No.	Chemical name
75070	Acetaldehyde	542756	1,3-Dichloropropene	1634044	Methyl tert butyl ether	106423	p-Xylenes
60355	Acetamide	62737	Dichlorvos	CAS No.	Chemical name	0	Antimony Compounds
75058	Acetonitrile	111422	Diethanolamine	101144	4,4-Methylene bis(2-chloroaniline)	0	Arsenic Compounds (inorganic including arsine)
98862	Acetophenone	121697	N,N-Diethyl aniline (N,N-Dimethylaniline)	75092	Methylene chloride (Dichloromethane)	0	Beryllium Compounds
53963	2-Acetylaminofluorene	64675	Diethyl sulfate	101688	Methylene diphenyl diisocyanate (MDI)	0	Cadmium Compounds
107028	Acrolein	119904	3,3-Dimethoxybenzidine	101779	4,4'-Methylenedianiline	0	Chromium Compounds
79061	Acrylamide	60117	Dimethyl aminoazobenzene	91203	Naphthalene	0	Cobalt Compounds
79107	Acrylic acid	119937	3,3'-Dimethyl benzidine	98953	Nitrobenzene	0	Coke Oven Emissions
107131	Acrylonitrile	79447	Dimethyl carbamoyl chloride	92933	4-Nitrophenol	0	Cyanide Compounds[1]
107051	Allyl chloride	68122	Dimethyl formamide	100027	2-Nitropropane	0	Glycol ethers[2]
92671	4-Aminobiphenyl	57147	1,1-Dimethyl hydrazine	684935	N-Nitroso-N-methylurea	0	Lead Compounds
62533	Aniline	131113	Dimethyl phthalate	62759	N-Nitrosodimethylamine	0	Manganese Compounds
90040	o-Anisidine	77781	Dimethyl sulfate	59892	N-Nitrosomorpholine	0	Mercury Compounds
1332214	Asbestos	534521	4,6-Dinitro-o-cresol, and salts	56382	Parathion	0	Fine mineral fibers[3]
71432	Benzene (including benzene from gasoline)	51285	2,4-Dinitrophenol	82688	Pentachloronitrobenzene (Quintobenzene)	0	Nickel Compounds
92875	Benzidine	121142	2,4-Dinitrotoluene	87865	Pentachlorophenol	0	Polycyclic Organic Matter[4]
98077	Benzotrichloride	123911	1,4-Dioxane (1,4-Diethyleneoxide)	108952	Phenol	0	Radionuclides (including radon)[5]
100447	Benzyl chloride	122667	1,2-Diphenylhydrazine	106503	p-Phenylenediamine	0	Selenium Compounds
92524	Biphenyl	106898	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	75445	Phosgene		
117817	Bis(2-ethylhexyl)phthalate (DEHP)	106887	1,2-Epoxybutane	7803512	Phosphine		
542881	Bis(chloromethyl)ether	140885	Ethyl acrylate	7723140	Phosphorus		
75252	Bromoform	100414	Ethyl benzene	85449	Phthalic anhydride		
106990	1,3-Butadiene	51796	Ethyl carbamate (Urethane)	1336363	Polychlorinated biphenyls (Aroclors)		
156627	Calcium cyanamide	75003	Ethyl chloride (Chloroethane)	1120714	1,3-Propane sultone		
105602	Caprolactam	106934	Ethylene dibromide (Dibromoethane)	57578	beta-Propiolactone		
133062	Captan	107062	Ethylene dichloride (1,2-Dichloroethane)	123386	Propionaldehyde		
63252	Carbaryl	107211	Ethylene glycol	114261	Propoxur (Baygon)		
75150	Carbon disulfide	151564	Ethylene imine (Aziridine)	78875	Propylene dichloride (1,2-Dichloropropane)		
56235	Carbon tetrachloride	75218	Ethylene oxide	75569	Propylene oxide		
463581	Carbonyl sulfide	96457	Ethylene thiourea	75558	1,2-Propylenimine(2-Methyl aziridine)		
120809	Catechol	75343	Ethylidene dichloride (1,1-Dichloroethane)	91225	Quinoline		
33904	Chloramben	50000	Formaldehyde	106514	Quinone		
57749	Chlordane	76448	Heptachlor	100425	Styrene		
7782505	Chlorine	118741	Hexachlorobenzene	96093	Styrene oxide		
79118	Chloroacetic acid	87683	Hexachlorobutadiene	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin		
532274	2-Chloroacetophenone	77474	Hexachlorocyclopentadiene	79345	1,1,2,2-Tetrachloroethane		
108907	Chlorobenzene	67721	Hexachloroethane	127184	Tetrachloroethylene (Perchloroethylene)		
510156	Chlorobenzilate	822060	Hexamethylene-1,6-diisocyanate	7550450	Titanium tetrachloride		
67663	Chloroform	680319	Hexamethylphosphoramide	108883	Toluene		
107302	Chloromethyl methyl ether	110543	Hexane	95807	2,4-Toluene diamine		
126998	Chloroprene	302012	Hydrazine	584849	2,4-Toluene diisocyanate		
1319773	Cresols/Cresylic acid (isomers and mixture)	7647010	Hydrochloric acid	95534	o-Toluidine		
95487	o-Cresol	7664393	Hydrogen fluoride (Hydrofluoric acid)	8001352	Toxaphene (chlorinated camphene)		
108394	m-Cresol	123319	Hydroquinone	120821	1,2,4-Trichlorobenzene		
106445	p-Cresol	78591	Isophorone	79005	1,1,2-Trichloroethane		
98828	Cumene	58899	Lindane (all isomers)	79016	Trichloroethylene		
94757	2,4-D, salts and esters	108316	Maleic anhydride	95954	2,4,5-Trichlorophenol		
3547044	DDE	67561	Methanol	88062	2,4,6-Trichlorophenol		
334883	Diazomethane	72435	Methoxychlor	121448	Triethylamine		
132649	Dibenzofurans	74839	Methyl bromide (Bromomethane)	1582098	Trifuralin		
96128	1,2-Dibromo-3-chloropropane	74873	Methyl chloride (Chloromethane)	540841	2,2,4-Trimethylpentane		
84742	Dibutylphthalate	71556	Methyl chloroform (1,1,1-Trichloroethane)	108054	Vinyl acetate		
106467	1,4-Dichlorobenzene(p)	78933	Methyl ethyl ketone (2-Butanone)	593602	Vinyl bromide		
91941	3,3-Dichlorobenzidene	60344	Methyl hydrazine	75014	Vinyl chloride		
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)	74884	Methyl iodide (Iodomethane)	75354	Vinylidene chloride (1,1-Dichloroethylene)		
		108101	Methyl isobutyl ketone (Hexone)	1330207	Xylenes (isomers and mixture)		
		624839	Methyl isocyanate	95476	o-Xylenes		
		80626	Methyl methacrylate	108383	m-Xylenes		

For all listings above which contain the word "compounds" and for glycol ethers, unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical as part of that chemical's infrastructure.

[1] X'CN where X = H' or any other group where a formal dissociation may occur. For example KCN or Ca(CN)<sub>2</sub>.

[2] Includes mono- and di- ethers of ethylene glycol, diethylene glycol and triethylene glycol R(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where:

n = 1, 2 or 3

R = alkyl or aryl groups

R' = R, H or groups which, when removed, yield glycol ethers with the structure: R(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OH. Polymers are excluded from the glycol category.

[3] Includes mineral fiber emissions from facilities manufacturing or processing glass, rock or slag fibers or other mineral derived fibers of average diameter one (1) micrometer or less.

[4] Includes organic compounds with more than one (1) benzene ring and which have a boiling point greater than or equal to 100°C.

[5] A type of atom which spontaneously undergoes radioactive decay.